

Project Code	SA_SAND_01	
Project Details	Internship Period	June 2024 to May 2025
	Preferred Disciplines	First Preference: <ul style="list-style-type: none"> Information Technology Second Preference: <ul style="list-style-type: none"> Technology Research
	Project Name	Health & Safety Digitalization
	Business Objective(s)	<ul style="list-style-type: none"> Improve Workplace Health and Safety standards to reduce incidents and occupational hazards Enhance Risk Management to proactively identify, assess, and mitigate risks for improving incident management Improve data analysis and reporting to collect, analyse and report Health and Safety data to identify improvement and make data-driven decisions Reduce costs to optimize resources, automate tasks and minimize paperwork
	Project Description	<p>The Health and Safety (H&S) Digitalisation project is a comprehensive initiative that aims to transform Health and Safety practices by integrating over 200 H&S requirements into a centralized digital platform. The project involves:</p> <ul style="list-style-type: none"> Data Integration: gathering large amount of data from existing multiple data sources and integrating various existing systems into one cohesive platform A New Digital Platform Development: managing H&S requirements in order to serve a one-stop solution for monitoring, tracking and reporting on H&S processes for control and compliance across CLP Power New Process Creation: designing and implementing new H&S processes within the digital platform to ensure consistency, efficiency and proactive risk management Automation and Digitalisation: replacing existing manual processes and streamlining workflows to reduce administrative burden and improve accuracy and efficiency
	Required Skills	<ul style="list-style-type: none"> Electronic analytic tools such as Power Automate / PowerApps / Power BI to collect, analyse, visualize the data from different sources Strong organisational skills to manage multiple tasks and coordinate schedules, track project progress and ensure timely completion of deliverables Strong communication skills to effectively collaborate, coordinate with various stakeholders and vendors, able to convey information clearly, listen actively, and facilitate productive discussions

Project Code	SA_SAND_02	
Project Details	Internship Period	June 2024 to May 2025
	Preferred Disciplines	First Preference: <ul style="list-style-type: none"> Health, Safety, Environment & Quality related disciplines Second Preference: <ul style="list-style-type: none"> Information Technology
	Project Name	Application of Smart Site Safety System in Power Stations
	Business Objective(s)	The adoption of technology and innovation has been promoted in the industry for enhancing site safety, which is also known as Smart Site Safety System (SSSS). Over the years, CLP has explored the application and implemented trial projects of video analytic, Artificial Intelligence (AI) detection, virtual fencing, etc. This objective of this project is to apply SSSS in Power Stations for improving safety management system and uplifting safety performance.
	Project Description	<ul style="list-style-type: none"> The intern will be asked to summarize and evaluate the lesson learned from previous pilot projects. The intern will conduct research on SSSS available in the market under supervision, including smart safety devices for monitoring high-risk construction activities and identifying safety hazards, communication network for transmission of data collected from smart devices, and centralized management platform for providing a one-stop hub for data analysis, alerts generation and follow up. The intern will be guided to explore the feasibility of applying various SSSS in Power Stations, as well as formulate a sound proposal and manage for execution. The intern will have chance to get an overview of the power stations and learn to apply new technology in a practical environment. This internship will be particularly beneficial to those who would like to further consider a career path in safety.
Required Skills	<ul style="list-style-type: none"> Proficient in basic Microsoft Office Applications and data analytic methodology; Experience in developing digital solutions for application would be an advantage Conversant with local statutory HSE requirements, legislations, code of practice and standards would be an advantage. 	